

19991211.qrp v01_n666.qrl.991211

Date: Sat, 11 Dec 1999 19:03:06 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1666

QRP-L Digest 1666

Topics covered in this issue include:

- 1) [57765] Re: Weird offer - gel-cell charger
by Scott Gregson - KC7MAS <emtech@steadynet.com>
- 2) [57766] Re: FYBO? HACK
by Roger Hightower <n7kt@earthlink.net>
- 3) [57767] N/T+ Fox KC0AYG Update
by "Matthew Balvanz" <kc0ayg@hotmail.com>
- 4) [57768] ANT: The rationale of using Ladder line on Non resonant Antenna
by "Donny" <dsirait@centrin.net.id>
- 5) [57769] Warren Gregoire Boom Mike Headset
by "David Beach" <dbeach@blvl.igs.net>
- 6) [57770] January 2000 QST
by Michael C Boatright <ko4wx@mindspring.com>
- 7) [57771] Re: The rationale of using Ladder line on Non resonant Antenna
by "Cla KA0GKC" <ka0gkc@arrl.net>
- 8) [57772] Re: They called him Hack.
by Monte Stark <ku7y@dri.edu>
- 9) [57773] Re: [CW] New Call - KV4CZ - ex kf4eib Gordon
by WCulbertsn@aol.com
- 10) [57774] FOX
by Monte Stark <ku7y@dri.edu>
- 11) [57775] Re: FOX
by Pete Burbank <plburbank@kih.net>
- 12) [57776] PC watt meter!!!!
by Robert Marlan <rsm@halcyon.com>
- 13) [57777] Re: PC watt meter!!!!
by Lee Bahr <bahr521@earthlink.net>
- 14) [57778] Re: [GQRP] BEST BAND
by "Graham Firth" <Graham.Firth@BTinternet.com>
- 15) [57779] Re: [GQRP] BEST BAND
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 16) [57780] Re: Warren Gregoire Boom Mike Headset
by "DONALD G. DORN" <DDORN@CWIS.NET>
- 17) [57781] WB8RCR John
by Tom Palmer <n1tp@worldnet.att.net>
- 18) [57782] Re: [OPERATING] SUMMARY: Low weight station setups? HOW TO?
by "Rod Cerkoney" <rlw@frii.com>
- 19) [57783] Re: Warren Gregoire Boom Mike Headset

- by "Richard Hensel" <rrhensel@sprintmail.com>
- 20) [57784] FS: Emtech 40/30M rig
by "Alan Fryer" <n3bj@hotmail.com>
- 21) [57785] WTB: 20M and 30M Sierra modules
by "Alan Fryer" <n3bj@hotmail.com>
- 22) [57786] WTB: SST, any condition
by "Alan Fryer" <n3bj@hotmail.com>
- 23) [57787] KK5RO
by Billfred5@aol.com
- 24) [57788] Re: Warren Gregoire Boom Mike Headset
by Thomas Kuehl <ac7a@gci-net.com>
- 25) [57789] Re: SOLAR CHARGER/BATTERY PACK GROUP PURCHASE?
by "Rod Cerkoney" <rlc@fiii.com>
- 26) [57790] Re: FOX
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 27) [57791] Fw: Warren Gregoire Boom Mike Headset
by "Walt Amos" <waltamos@surfree.com>
- 28) [57792] FS: NC-20 (40M version)
by "Alan Fryer" <n3bj@hotmail.com>
- 29) [57793] PROP: Conditions & 10M Contest
by "Paul Harden, NA5N" <na5n@rt66.com>
- 30) [57794] Re: ANT: The rationale of using Ladder line on Non resonant Antenna
by hamjoel@juno.com
- 31) [57795] wr1 globe scout
by "al dawkins" <alk0frp@earthlink.net>
- 32) [57796] a-tronix keyboard schematic
by M Goins <mgoins@usa.net>
- 33) [57797] Re: Antenna Reel
by "John A. Evans - N0HJ" <jae@codenet.net>
- 34) [57798] Re: QRP balanced feedline "discovery"
by Bob Edwards <w4ed@gis.net>
- 35) [57799] mW WAS .9 watts - QSL cards in view now
by Jim Hale <kj5tf@yahoo.com>
- 36) [57800] Antenna Tree Supports
by Charles Greene <cgreene@loa.com>
- 37) [57801] Re: PROP: Conditions & 10M Contest
by "Steven Weber" <kdl1jv@moose.ncia.net>
- 38) [57802] 6, 6.2V Low Voltage Dropout Regulators
by K2UD@aol.com
- 39) [57803] FS: discounted QRP+
by "Kelly Ellison" <kelman@dialnet.net>
- 40) [57804] Little Softshoe....Extra Theory History!
by "J. Ervin Bates" <w8erv@email.msn.com>

Date: Fri, 10 Dec 1999 16:40:46 -0800
From: Scott Gregson - KC7MAS <emtech@steadynet.com>

To: Radman <radman@best.com>, qrp-1 <qrp-1@lehigh.edu>
Subject: [57765] Re: Weird offer - gel-cell charger
Message-ID: <38519D8E.DE2CB8DB@steadynet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Radman wrote:

>
> Hi Scott,
>
> I'm always interested in charging strategies :-) Three questions for you:
>
> 1.) The requirement for a 15-18 VDC supply means that I *can not* use a
> power supply of less than 15VDC under any circumstances... correct?
No, you can, but... If you want to get the most/longest/best performance
from a 12 volt gel-cell it needs to be charged to ~14.6 volts at a
specified current. Then it needs to get no charge for a little while,
and then float/trickle at 13.8vdc. It will read 14+ right after
charging, and then around 13.8 after a few hours. This is ideal for deep
cycle use, that is where you drain a majority of the battery's capacity
in a short time frame. This charger does that (not my design,
Unitrode's - now TI's).

Yes you can use a lower voltage, but ideally (say when you get home) you
should put the thing on the higher voltage. If you monitor the
voltage at the battery, it will never go above 14.8 volts. There is
kinda a floating point there where it finally shuts down, based on
temperature (a little) and current flow (mostly).

> 2.) May I use a switching power supply (15-18VDC) that will handle the
> current requirements... ie, I don't have to use a linear power supply
> correct?

I used a switching power supply in my testing, I also used my heathkit
IP-28 and zapped it - drat I've got something else to fix. That's what
happens when you get too many clip leads in the same 1 foot square
space.

Some of the older battery charger I came accross while studying this out
were simply transformers with one diode, you just had to monitor the
voltage and when you reached the stop point - disconnect or dry out your
battery, it worked I guess.

>
> 3.) How quickly can I recharge a 1.2AH gel cell... starting from let's say a
> discharge state of 10.5 volts? (ball park)

My application draws ~480mA from the 1.2ah battery, and the battery

lasts about 1.5 hours (it is at ~ 8.75 volts - it has really given more than it should have given at this point). I then put it on the charger, and if I set the max I_c at 240mA it charges in about 6 hours, if at about 180 mA in about 10 hours. Remember this charger floats after charging is complete, so it is connect it and forget it. In our application we will charge with an unregulated wall adapter supplying 16-18vdc at 180mA- the full run and charge load of between 600mA and 800mA.

So, the short of it, 10.5 volts should charge in less than 6 hours. Actually the battery manufacturers say that it is "OK" to charge your gel-cell faster (under certain specific parameters - depending on battery voltage and current draw - still requires a special charger), but I set this up knowing the we are really using a battery rated a little lower than what we really need (space problem), so I am aiming at optimal care of the battery, and still have the thing charged for use the next day. That is from .1C (C = capacity) to .2C.

Also, I don't have graphing equipment nor even a second digital meter, so my figures are approximate, and are based on my logging a few charges, and just letting it go for more than a few.

I posted this to the list also, I did not think you'd mind, I am sure other will have the similar questions.

Thank you, I enjoy your posts Conrad.

P.S. Somebody has a board available that is for the UC3906, I have not seen the board, but it sells for \$12.00 - another option. They have a dos program on that site that calculates the values for the resistors, but I did have their schematic, so I just used several others, and got some ideas from other applications, it really isn't all that advanced, the UC3906 does the thinking.

```
>
> I'm interested! Thanks in advance for additional info :-))
>
> 73,
>
> Conrad Weiss -- NN6CW
>
> *****
```

```
--
Scott Gregson - KC7MAS
emtech@steadynet.com
http://emtech.steadynet.com
+++++
```

Scott Gregson Co. / Emtech / CFC
1127 Poindexter Ave W
Bremerton, WA 98312

Date: Fri, 10 Dec 1999 18:16:23 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: na5n@rt66.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [57766] Re: FYBO? HACK
Message-ID: <38514377.AA07E05C@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OK...FYBO will be on February 5, 2000. There will be (should be) information in QST. I know Joe sent it in, and am not sure which issue ARRL will put it in. February for sure (due in Jan).

Joe: Do you want me to post the info you sent to QST?

--
73, de Roger, N7KT
qrp-l #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Fri, 10 Dec 1999 20:44:36 -0600
From: "Matthew Balvanz" <kc0ayg@hotmail.com>
To: <qrp-l@lehigh.edu>, <k0evz@arrl.net>
Subject: [57767] N/T+ Fox KC0AYG Update
Message-ID: <19991211024630.22912.qmail@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang!

Sorry I've been so quite lately. It's been getting very busy around here.

Anyway, I got a whole bunch of cards from my first two hunts in the mail today (Finally!) and I'm hoping to get the rest out soon! So if you worked me during the hunts keep an eye on your mail box!

Also, I'm hoping to get back into doing some foxhunts again. Although I don't know if I'll start again before Christmas... Keep watching the list,

I'll post info on my next one!

72 everyone and have a merry Christmas!
Matthew K00AYG Ames, IA

Date: Sat, 11 Dec 1999 10:53:44 +0700
From: "Donny" <dsirait@centrin.net.id>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57768] ANT: The rationale of using Ladder line on Non resonant Antenna
Message-ID: <001e01bf438c\$4bfcbbc0\$45f992ca@donny>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Seasons greetings to all the list members,

My previous thread/question on Basic SWR question
has been responded by several very kind members
of the list and of which I am very thankfull, however I
still think that there are still something missing in my brain hi hi.

The issue is:

- We all know that coaxial cable and the ladderline or
parallel open wire feed line are sorts of transmission line which
function is to transfer RF power from the transmitter to the antenna.
- We also know that RF power losses increased significantly
with higher Standing Wave Ratio in coaxial cable.
- It is said that ladder line and the likes exhibit a low
loss even if the SWR is high.
- However I recalled that there are what we call forward
and REFLECTED power in the transmission line.
- SWR is the ratio of $(V_o + V_r) / (V_o - V_r)$ where
 V_o is the forward voltage and the V_r is the reflected voltage
and we know that to measure SWR with a Bird power meter
we have to do similar calculations.
- From the above formula we found out that the higher the
SWR (VSWR) the higher the reflected voltage (= power???)

Therefore if high SWR means higher reflected power
then how much of the RF power is then transfered to the antenna?

In this case suppose we use a ladder line with a characteristic
impedance of 450 ohms to a resonant dipole then we will have
an SWR of 6:1 then there will be a fraction of the power left
transfered to the antenna (correct/wrong???) If wrong what is

the explanation??

Well some one will come and say use a antenna coupler/tuner.
Yes we can but then only the transmitter will be happy since we are able to load the characteristic impedance of the transmitter (nowadays normally 50 ohms) to the SYSTEM impedance.
However I believe that the transmission line vs antenna mismatch were still there and then the power is still reflected by the mismatch.

We have taken this thing for granted for ages and it works but then a lot of time we don't even know why that happens. The morale is if we have the explanation then probably we can find some other better ways to do the same thing. Don't we want ideally our antenna to radiate all of our milliwatt power to the atmosphere???

Some one please help me

Thank you in advance and May God bless you all.

vy 72 de Donny YB6LD/1
Bekasi Indonesia

Date: Fri, 10 Dec 1999 23:04:02 -0500
From: "David Beach" <dbeach@blvl.igs.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [57769] Warren Gregoire Boom Mike Headset
Message-ID: <199912110403.XAA38208@host.blvl.igs.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Warren Gregoire and Assoc. is now advertising (in QST) their headsets with boom mike for \$29.95 in kit form (connector extra). This is less than half of the price of MFJ's new headset/microphone, although the MFJ is assembled and sleeker looking. And a lot less than Heil.

Is this price really 'too good to be true?' Has anybody bought one of these? How do they sound? Has anyone tried the new MFJ set? A terrible sounding or uncomfortable headset is no bargain at any price.

Thanks for your comments. I expect others may be interested also. If anyone is interested and does not get QST to read the advert, the contact phone number for Gregoire and Associates is 1-800-634-0094 and their web site is <<http://www.warrengregoire.com>>.

David Beach
VE3STI

Date: Fri, 10 Dec 1999 23:43:43 -0500
From: Michael C Boatright <ko4wx@mindspring.com>
To: QRP-L <qrp-1@Lehigh.EDU>
Subject: [57770] January 2000 QST
Message-ID: <3851D67F.1182F598@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anybody else get their QST today? Check out page 90. Great job Rich!

72 de Mike, K04WX

--
Mike Boatright, K04WX
District EC, GEMA, Amateur Radio Emergency Service

A rock pile ceases to be a rock pile the moment a single man
contemplates it, bearing within him the image of a cathedral.
Antoine de Saint-Exupery

Date: Fri, 10 Dec 1999 23:19:00 -0600
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: <dsirait@centrin.net.id>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57771] Re: The rationale of using Ladder line on Non resonant Antenna
Message-ID: <003101bf4397\$7ad0f320\$a10a5e2c@groucho>

Donny <dsirait@centrin.net.id> wrote and asked"

Therefore if high SWR means higher reflected power
then how much of the RF power is then transfered to the antenna?

100%-feedline and antenna tuner losses.

What you're missing here is that the reflected power does not go back into the transmitter, it is reflected back as forward power by the antenna tuner. On each of these trips a percentage of the power is radiated by the antenna. And the rest of the power makes the round trip again, except for the power it loses as heat in the feedline and antenna tuner. After several trips this can add up!

Hope this helps,

73 de Cla KA0GKC

Date: Fri, 10 Dec 1999 21:35:18 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: "Richard E. Robinson" <rerobins@email.uncc.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57772] Re: They called him Hack.
Message-ID: <Pine.GSO.4.10.9912102133180.25274-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 10 Dec 1999, Richard E. Robinson wrote:

> Cigarettes? All I've ever seen are the rolling papers and Bugler tobacco
> in cans. In fact, I've never known anyone to put tobacco in those papers.

Bugler? Heck, I've rolled many a can of that stuff into those papers!

But everyone's heard of Bugler....

How about Twist?

How many remember chewing that?

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Sat, 11 Dec 1999 01:06:55 EST

From: WCulbertsn@aol.com
To: KF4EIB@aol.com
Cc: qrp-l@lehigh.edu, cw@qth.net
Subject: [57773] Re: [CW] New Call - KV4CZ - ex kf4eib Gordon
Message-ID: <0.85ba8059.258343ff@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Congratulations Gordon on the upgrade from Tech Plus to Advanced and the new call sign.

I know how you feel how you feel since I'm a Tech Plus (KA9ZBN) struggling with the 13 WPM code. I have no trouble with the theory. I have even passed the "difficult double" (Gen/Adv) three times at separate VE sessions over the years due to the year expiration on the CSCE. At this last VE session I still failed the 13 WPM code test, but passed my Extra theory test (I just missed one question). I am now concentrating on the 20 WPM test which I hope to take in Feb. 2000. I am member #6871 of FISTS CW Club.

I have made it my goal (New Year's resolution) to get my Extra Class license and possible vanity call sign before the implementation of restructuring.

Bill KA9ZBN Springfield IL EM59et QRP-L #1979 FISTS #6871 ARRL/Life

Date: Fri, 10 Dec 1999 22:16:41 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio <qrp-l@Lehigh.EDU>
Subject: [57774] FOX
Message-ID: <Pine.GS0.4.10.9912102215050.25414-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Good week.....got three pelts.....

Two were Fox's, the other was a bit different.

: -)

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Sat, 11 Dec 1999 01:40:37 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [57775] Re: FOX
Message-ID: <3.0.32.19991211014033.0070c5e4@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:16 PM 12/10/99 -0800, you wrote:

>Hi All,
>
>Good week.....got three pelts.....
>
>Two were Fox's, the other was a bit different.
>
>:-)
>
>73, Ron
>
>.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
>.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Ron I assume you trapped the skunk. What happened after that?:-)
73 Pete NV4V

Date: Fri, 10 Dec 1999 22:44:06 -0800
From: Robert Marlan <rsm@halcyon.com>
To: qrp-1@lehigh.edu
Subject: [57776] PC watt meter!!!!
Message-ID: <4.2.2.19991210224400.0256bde0@mail.halcyon.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:04 PM 12/10/99 , you wrote:

Hey guys check out this pc watt meter - its too cool..

<http://radiodan.com/rfapps/winwatt.htm>

its designed for the big guns, no decimal point on the power,
maybe we can get a qrp version.... what do you think....

Robert Marlan KA6NOC/7
rsm@otology.com

Date: Sat, 11 Dec 1999 00:57:19 -0600
From: Lee Bahr <bahr521@earthlink.net>
To: rsm@halcyon.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [57777] Re: PC watt meter!!!!
Message-ID: <3851F5CF.31DA065@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I think I will use an analog meter. I don't need a battery back up for it, or a \$1400 computer to drive it!
Lee Bahr w0vt Houston

Robert Marlan wrote:

>
> At 08:04 PM 12/10/99 , you wrote:
>
> Hey guys check out this pc watt meter - its too cool..
>
> <http://radiodan.com/rfapps/winwatt.htm>
>
> its designed for the big guns, no decimal point on the power,
> maybe we can get a qrp version.... what do you think....
>
> Robert Marlan KA6NOC/7
> rsm@otology.com

Date: Sat, 11 Dec 1999 08:20:33 -0000
From: "Graham Firth" <Graham.Firth@BTinternet.com>
To: "GQRP-L" <gqrp@onelist.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [57778] Re: [GQRP] BEST BAND
Message-ID: <006301bf43b0\$a3857200\$02010080@graham>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi

> if you were limited to only one band only
> at QRP levels, lets say 1 watt, CW or SSB, what band would you pick and why?

40m!

Because you can always get a contact on 40m in this part of the world, 24 hours of the day, and even with a poor antenna you can get some rf out. I've worked well into the continent with an almost invisible length of magnet wire. There's always a good chance that there will be some DX around.

Thanks for the good question - it made me think carefully before replying

72/3

Graham

G3MFJ/W3MFJ

Date: Sat, 11 Dec 1999 09:57:29 -0000
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
To: "Paul Martin" <pmartin@bright.net>, "Ian Braithwaite" <ianb@g4col.demon.co.uk>
Cc: "QRP-L" <qrp-l@lehigh.edu>, "GQRP-L" <gqrp@onelist.com>
Subject: [57779] Re: [GQRP] BEST BAND
Message-ID: <003701bf43be\$31cc8f00\$8aa832d4@prsat0x1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Read the FAQs, you know where!

Frank G3YCC G QRP 042
QRP web page <http://www.g3ycc.karoo.net>

Date: Sat, 11 Dec 1999 08:11:36 -0600
From: "DONALD G. DORN" <DDORN@CWIS.NET>
To: dbeach@blvl.igs.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [57780] Re: Warren Gregoire Boom Mike Headset
Message-ID: <38525B97.2A7EA801@CWIS.NET>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have wondered about that headset too, David. I hope somebody on the list can enlighten us.

Also, has anybody tried building one? There are lots of mike elements available. ???

Don K5AAR
Lake Eufaula, OK

Date: Sat, 11 Dec 1999 11:52:37 +0000
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [57781] WB8RCR John
Message-ID: <38523B05.389088C0@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John:

Every note I try to send to you bounces,
saying your address is "unknown"
Including trying via QRZ,

I can't contact your directly.

Tom, N1TP

Date: Sat, 11 Dec 1999 05:51:42 -0700
From: "Rod Cercone" <rlc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [57782] Re: [OPERATING] SUMMARY: Low weight station setups? HOW TO?
Message-ID: <007301bf43d6\$a9450b80\$1557aecf@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks:

Time for a quick summary:

The overwhelming choice is AA Batts 8-10 depending on your rig. There are three types, Alkaline, NiCad & NiMH. All were mentioned. Thanks to all who took the time to reply.

Next Month's Plan:

I surfed over to the Eveready site, they have detailed tech data online. They are also selling NiMH batts now! 10 AA NiMH batts should be about 9-10oz. So next month:

- o NorCal40/DSW-40 ~16oz
- o 10 NiMH Batts ~10oz
- o Whiterook paddles -or- Paddlettes ~ 1oz
- o Light Weight earphones ~ 3oz
- o monoband dipole/inverted-V/sloper, no tuner --
- ~32oz

72/3 Rod, NØRC -- Fort Collins, CO

----- Original Message -----

From: Rod Cercone <rwcc@frii.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Thursday, December 09, 1999 6:31 PM

Subject: [OPERATING] Low weight station setups? HOW TO?

> I just finished reading the ARS SP results/soapbox. A question: What
> are

> you less than two pound station folks using for power supplies?

>

> ---

> 72/3 Rod, NØRC -- Fort Collins, CO

>

>

Date: Sat, 11 Dec 1999 08:17:30 -0500

From: "Richard Hensel" <rrhensel@sprintmail.com>

To: <dbeach@blvl.igs.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [57783] Re: Warren Gregoire Boom Mike Headset

Message-ID: <003f01bf43da\$14ffc060\$3f1ebfa8@rrh>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I bought one about a year ago.
They aren't a bad deal, but don't expect a BOSE or any of the top of the
line headset.
but for 30 bux, not bad.

Richard Hensel
n8wlc@arrl.net

When you have a hammer in your hand
The whole world looks like a nail.

----- Original Message -----

Warren Gregoire and Assoc. is now advertising (in QST) their headsets with
boom mike for \$29.95 in kit form (connector extra). This is less than half
of the price of MFJ's new headset/microphone, although the MFJ is assembled
and sleeker looking. And a lot less than Heil.

Date: Sat, 11 Dec 1999 06:08:53 PST
From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-l@lehigh.edu
Cc: forsale-swap@qth.net
Subject: [57784] FS: Emtech 40/30M rig
Message-ID: <19991211140853.55922.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

For Sale: Emtech NW40 kit, unassembled, still in the bags, original box,
all there. Includes Emtech enclosure and audio filter. Also includes parts
for 30M operation. No time to build right now.

\$105 shipped

Alan, N3BJ
Bent Mountain, VA 24059

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sat, 11 Dec 1999 06:11:39 PST
From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [57785] WTB: 20M and 30M Sierra modules
Message-ID: <19991211141139.89288.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Wanted: 20M and 30M Sierra modules. Working, non-working, partially built OK. Please let me know if you have any that are surplus to your needs.

Alan, N3BJ
Bent Mountain, VA

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sat, 11 Dec 1999 06:14:30 PST
From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [57786] WTB: SST, any condition
Message-ID: <19991211141430.37657.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Wanted: SST tranceiver, any band, any condition. Partially completed or problem unit preferred, parts missing OK.

Please let me know what you have.

Alan, N3BJ
Bent Mountain, VA

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sat, 11 Dec 1999 10:59:48 EST
From: Billfred5@aol.com
To: qrp-l@lehigh.edu
Subject: [57787] KK5R0
Message-ID: <0.9d34c375.2583cef4@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Are you on this list? Please answer direct. WB5BNV.

Date: Sat, 11 Dec 1999 09:52:31 -0700
From: Thomas Kuehl <ac7a@gci-net.com>
To: dbeach@blvl.igs.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [57788] Re: Warren Gregoire Boom Mike Headset
Message-ID: <3852814F.43A37577@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello David:

I recently purchased and assembled the Warren Gregoire TR2000 headset. Assembly isn't particularly tough and it took me about one hour to get the assembly completed. Here are my thoughts on the headset:

- 1) The frequency response was broad and seemed similar to that of older stereo headphones of the '70's (in fact the headset feels like a '70's stereo headset). The high-end was quite rich and on the low-end any keying thumps that I didn't hear with other phones were now heard. I found the overall sound fatiguing with extended use.
- 2) Maybe I have an extra larger head, or maybe not, but after a couple of hours the headband felt tight against my head and my ears were getting cauliflowered. It was a relief to take them off. The padded headband is nice but here in Arizona where it is a bit warmer than most places I found the headphones were hot to wear (maybe an advantage up north).
- 3) The boom mike can't be folded back. Since I am a CW operator I just wanted to get it out of my way. Even somewhat bent out of the way my peripheral vision kept catching a view of it.

Well it sounds like I am really down on the headset, but others may be more satisfied than me. I am really very picky about my radio stuff. For the money they are not a bad deal, but they are not for me. The folks at Warren Gregoire are first-rate to deal with. Since I was not happy with the headset I called them and they promptly honored their 30-day money-back guarantee and refunded my money. I had taken care when assembling the headset so they really didn't loose out: Someone out there will get a carefully assembled TR2000 headset.

So what do I use - believe it or not, RS sells a \$10 set of mono headphones for SWL listeners. That is what I use. They are lightweight, comfortable and have just about the right frequency response for CW and voice. The main problem with them is they fall apart in about a year. I've had 3 sets in the last few years. I'd pay twice as much for a pair if they would just hold together longer. Eventually, I will spend the money and purchase the Heils.

Best Regards, Thomas - AC7A (Tucson)

David Beach wrote:

> Warren Gregoire and Assoc. is now advertising (in QST) their headsets with
> boom mike for \$29.95 in kit form (connector extra). This is less than half
> of the price of MFJ's new headset/microphone, although the MFJ is assembled
> and sleeker looking. And a lot less than Heil.
>
> Is this price really 'too good to be true?' Has anybody bought one of these?
> How do they sound? Has anyone tried the new MFJ set? A terrible sounding or
> uncomfortable headset is no bargain at any price.
>
> Thanks for your comments. I expect others may be interested also. If anyone
> is interested and does not get QST to read the advert, the contact phone
> number for Gregoire and Associates is 1-800-634-0094 and their web site is
> <<http://www.warrengregoire.com>>.
>
> David Beach
> VE3STI

Date: Sat, 11 Dec 1999 10:13:09 -0700
From: "Rod Cerkoney" <rwc@frii.com>
To: <w5tb@softhome.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57789] Re: SOLAR CHARGER/BATTERY PACK GROUP PURCHASE?
Message-ID: <010001bf43fb\$08f3a220\$1557aecf@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks:

A possible alternative for the NiMH Cells. I can get SAFT Brand cells (1250mAh) at the local at the local Batteries Plus store for:

QTY \$/Cell

100	1.99
200	1.94
300	1.89
400	1.84
400+	tbd

Are SAFT Brand any good; anybody know anything about them?

These cells weigh about 1oz so about 30 will go in a USPS 2lb Priority mailer. Figuring tax & shipping I can supply these batts for as low as \$2.08/cell examples:

Qty	12	24	30	
Cell Price:	\$1.84	\$1.84	\$1.84	
tax	.13	.13	.13	CO sales 1.0675%
sub tot 1	1.97	1.97	1.97	
sub tot 2	23.64	47.28	59.10	sub tot1 X Qty
shipping	3.20	3.20	3.20	USPS Priority
grand tot	26.84	50.48	62.30	
per cell	\$2.24	\$2.10	\$2.08	

If SAFT batts are good, and enough people want them so we can get 400 or more I'll offer to do the group buy/distribution.

72/3 Rod, NORC -- Fort Collins, CO

----- Original Message -----

From: W5TB - 'Doc' Drake <w5tb@softhome.net>
 To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
 Sent: Friday, December 10, 1999 7:20 AM
 Subject: SOLAR CHARGER/BATTERY PACK GROUP PURCHASE?

> on 12/9/99 8:11 PM, Tom Randall at trandall@idsi.net wrote:
 >
 >
 > Sound interesting for all you QRP Field ops? It sure sounds like
 just what I
 > need for extended backpacking and/or canoeing trips with the QRP rig
 along!
 >
 > Anyone interested in a group purchase -- I'm betting we could even
 beat the
 > total cost of \$68.30 (plus shipping)

Date: Sat, 11 Dec 1999 17:40:11 -0000
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57790] Re: FOX
Message-ID: <001401bf43fe\$ca19b5e0\$d442b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yeah, Ron, I bet that third pelt smelled just about the same as "Twist"? My favorite, at the time, was 'Yankee Girl'.
de Steve, W8SFF

Date: Sat, 11 Dec 1999 14:17:05 -0000
From: "Walt Amos" <waltamos@surfree.com>
To: "Qrp-1 Posts" <qrp-1@lehigh.edu>
Subject: [57791] Fw: Warren Gregoire Boom Mike Headset
Message-ID: <000401bf4406\$db6b5440\$db891b26@waltk8cv>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have one, the kindest thing I can say is that it WORKS !

Walt K8CV Royal Oak, Michigan QRP-L # 935 ZOMBIE # 188

----- Original Message -----

From: DONALD G. DORN <DDORN@CWIS.NET>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Saturday, December 11, 1999 14:11
Subject: Re: Warren Gregoire Boom Mike Headset

> I have wondered about that headset too, David. I hope somebody on the
> list can enlighten us.

>

> Also, has anybody tried building one? There are lots of mike elements

> available. ???
>
> Don K5AAR
> Lake Eufaula, OK
>

Date: Sat, 11 Dec 1999 10:38:03 PST
From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-l@lehigh.edu
Cc: forsale-swap@qth.net
Subject: [57792] FS: NC-20 (40M version)
Message-ID: <19991211183803.47914.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

For Sale: Norcal NC-20 converted to 40M per the mod instructions on the Red Hot 40 web site. Ten turn pot, AGC, correct PIC, all well done. Attractive label decals on front and back. Original documentation included.

\$105 shipped

Alan, N3BJ
Bent Mountain, VA

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sat, 11 Dec 1999 12:10:43 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-l@lehigh.edu
Subject: [57793] PROP: Conditions & 10M Contest
Message-ID: <Pine.SUN.4.10.9912111119180.15952-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

ARRL 10M CONTEST: Right now (about 11am MST), 10M is hopping pretty good with CW signals from the contest. Lots of activity, so hop on and join the fun, or take advantage of the activity to work new areas. And 10M should remain good all weekend and beyond during daylight hours due to the solar flux being 164 and rising (see below). That's a bit mushy for really good conditions, but sufficient for good propagation

on 10M. And remember ... there is NO Extra class portion of the band on 10M, so you can work that lower 25KHz if a general class, where much of the DX stations "hang out."

SOLAR CONDITIONS: We all know that solar activity, and hence the solar flux, increases during the "active sun." Two years ago, solar flux was below 100 most days. (I remember posting to QRP-L when the solar flux first hit 100! A big deal back then). Truth is, the solar flux goes up and down over about a 28-day cycle ... the time it takes for the sun to make a rotation. (Yes, the sun rotates around too). It is not altogether clear what makes one side of the sun radiate more energy than the other side of the sun, but it does.

FOR THE CURRENT SOLAR ROTATION ...

The last MAXIMUM occurred on November 16th with a solar flux of 233. The last MINIMUM occurred on Dec. 5-6th with a solar flux of 143. Friday's (Dec. 10th) official solar flux was 164, indicating we are past the minimum flux and heading towards the next maximum. Solar flux should hit 200 within the next few days, and hit maximum around December 15th. This doesn't make exactly 28 days, but then again, I did say "about" -hi. Solar activity, such as the X-class flares and high activity on Nov. 25-28 adds to the solar flux and can alter the 28-day cycle of solar flux maximum to maximum timing. But it's still always AROUND 28 days.

Another reason for variations in the 28-day timing is the sun, being a burning orb of gas rather than a solid sphere like the earth, means it rotates at different rates. The 28 days is based on how long it takes for the sun to make one revolution AT THE EQUATOR, while near the solar poles, it is only 23 days. So it also depends on what solar latitude where the active regions are located. The solar activity (flares and CME's) seen the past few solar revolutions have been located around 25-40 degrees north of the solar equator.

And speaking of solar rotation ... those very active regions of the sun that produced all those M-class and an X-class flares late November are due to re-emerge on the east limb of the sun this weekend. As a result, we could expect some more solar flare activity (and the resultant geomagnetic storms) next two weeks while these areas are on the earth-facing side of the sun.

BUT FOR RIGHT NOW ... solar activity is fairly quiet with no real active regions on "our side" of the sun. There is a persistent coronal hole that spews out particles that causes our solar wind speed to be a bit elevated, which is causing the disturbed conditions (A-indexes from 12 to 30) past week, reaching MAJOR storm levels on Dec. 4th. The forecast for the A-index (measure of our magnetic field disturbance) is around 12-15 over the next few days, or mildly disturbed/active conditions. This just means 80-40M will be a bit noisier than normal, but won't effect the

higher bands much. 20M and above is driven largely by the solar flux, which again, is on the rise, heading towards maximum, for good conditions and propagation on the upper bands next two weeks.

Ed "the Hacker" Loranger WE6W and myself seem to stumble on to eachother about once a week on 40M for a short QSO. We had a short QSO thursday night, with the A-index for that day at 13. We were both 339, or about the weakest we have worked eachother. Usually we're both 459-559 or so. Same with Chuck Adams K7QO ... only a few hundred miles from me, but with shakey signal levels due to the minor geomagnetic storm in progress that night, with the A-index at 28. Of course he was running <2W. Heard him the other night again with a REAL S-8 signal here.

The moral of the story is these geomagnetic disturbances and storms DOES cause higher noise levels and higher absorption to signal levels on the lower bands, but it seldom keeps you from having a QSO. QRP signals are starting out with a disadvantage to begin with (5W or less emitted) and thus a little absorption will run our signals close to the noise. BUT ... most QRPers have developed some amazing skills at weak power work, far below the threshold of most hams. (How many QRO ops will answer a CQ at a 339 signal?). Many of you who complain and apologize for your poor operating skills, or working the FOX right at the noise level, have FAR MORE SKILLS than you realize, and beyond what most hams would attempt. Think about it, and pat yourself on the back. You deserve it. Any ham who runs a 229-339 QSO during a geomagnetic storm deserves a certificate or something :-). And we do it all the time!

The point of these posts is NEVER to discourage QRPers from getting on the air. The real point is, we are LESS effected by these events than most hams, because we are used to weak signal work and have learned to tolerate conditions many others haven't. We are in the solar cycle we have all waited for ... the active sun ... and with it comes excellent conditions, and sometimes bad. You wanted it to arrive, well here it is. So these posts are meant to educate those of you with an interest so as you experience this active sun, you can understand the physical (and astro-physical) processes at work first hand.

And just like you have learned to work weak signal stations better than most ... so have you an understanding of the solar and geomagnetic phenomenon better than most. And I believe much of where we are today is due to this amazing tool we enjoy called QRP-L.

So enjoy the sun, the geomagnetic disturbances, AND THE BANDS.

72, Paul NA5N

National Radio Astronomy Observatory (NRAO)
Very Large Array/VLBA Radio Telescopes

Socorro, New Mexico

My occassional disclaimer: As always, these are my personal opinions and interpretations, and are not an official opinion of the NRAO observatory. Primarily because our solar astronomer is on sabatical!

PS - NO ...we have not (yet) been asked to help find the Martial lander.

Date: Sat, 11 Dec 1999 14:58:56 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [57794] Re: ANT: The rationale of using Ladder line on Non resonant Antenna
Message-ID: <19991211.145904.-392641.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Donny...

While all u say may be eactly right... or some portion thereof... The reality of the situation is: use an atu and forget about the rest... when doing things on paper, there is little room for error, because math is exacting, more or less... however in the real world there is generally more room for error...

I think u are trying to split hairs with a lazer beam... match ur xmtr and u will find the hype on swr is just that hype, in most hf situations...

Iffin however, u wish to persue the issue beyond a reasonable, (whose reason?) limit.... I would suggest u set up ur station with an atu then measure the power at the antenna with a most accurate power meter and adjust the output of the xmtr till u have the power level u want at the antenna.... ps don't remove the power meter from the line as that could change things drastically or not at all... :-)

Joel KE1LA
In Maine

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Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 10 Dec 1999 14:31:05 -0700

From: "al dawkins" <alk0frp@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [57795] wr1 globe scout
Message-ID: <000001bf441a\$26cbeb80\$3102090a@adawkins.hsacorp.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have obtained a Globe Scout 680A
I have a original manual but it is missing the diagram pages.

infact page 37 to whatever.
Is there one OUT THERE before I buy a complete manual from
HI manuals or W7FG manuals.
Also got a Heathkit VF1 VFO both to go with my Heathkit HR-20 reciever or
if I get it back some day my original Novice (1961) S-38E reciever. My
original novice Transmitter was a WRL Globe Chief but the Scout is close.

E Fax home 419-844-6807
E fax work 520 222 8615

or scanned email in pdf, gif, jpeg

Al K0FRP

Date: 11 Dec 99 21:32:47 America/Fort_Wayne
From: M Goins <mgoins@usa.net>
To: qrp-1@Lehigh.EDU
Subject: [57796] a-tronix keyboard schematic
Message-ID: <19991211213247.10142.qmail@aw161.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

Need information and schematic for a A-TRONIX Morse Code Keyboard Keyer.
Bought one cheap that had a couple of bad keys and got them fixed, but ne=
ed to
find out why it won't key my Kenwood. Any help would be appreciated.

Mike
wb5yjx

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Sat, 11 Dec 1999 14:40:09 -0700
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: SSmith9831@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57797] Re: Antenna Reel
Message-ID: <3852C4B9.580A727A@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FYI,

Walmart has a near identical reel for less than half the price of Target's Coleman version at \$1.48 locally. Check it out - I may try to see how much wire I can reel onto one this afternoon.

72 - john - n0hj

SSmith9831@aol.com wrote:

> While killing some time at TARGET while the wife was shopping I came across
> a great little reel thats perfect for storing your field-day/portable/camping
> antennas. The item is a COLEMAN Clothesline/Laundry Reel which sells for
> \$3.99 (look for it in the Camping section). The reel measures 3" dia x 1.5"
> high and comes with 21 ft of nylon cord.

Date: Sat, 11 Dec 1999 16:46:17 -0500
From: Bob Edwards <w4ed@gis.net>
To: n6kr@elecraft.com
Cc: K2 list <elecraft@qth.net>, Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [57798] Re: QRP balanced feedline "discovery"
Message-ID: <3852C629.CF5A95F7@gis.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wayne Burdick wrote:

>

>What I'm using instead is Radio Shack 24 AWG,
> solid 2-conductor speaker wire (#278-1509).
> Based on the formula(Z) between 200 and 300 ohms
>-- a very nice alternative QRP feedline!

Yes indeed. This post corrects my previous error, mistook my stranded #24 for your solid #24. So, did my homework on the solid line, from two different supplier runs, and found the impedance to be near 170 ohms with a VF of 71 %. Loss was 4 dB at 28 Mhz for 75 ft length. Since I usually have 40 feet in field setups, and favor 20m & 15m CW, this will be OK. Table below is a comparison of TV Twin lead, 75 ohm coax, and three #24 speaker wires. *No* "ZIP" cord in this post !

Used a MFJ 259B for SWR and as a signal source for loss readings on a Tek 492 S/A. First step was cutting to 1/2 wave length for 1:1 SWR at 28 Mhz with 50 ohm load. Used this line length to calculate VF %. Then selected a resistor (combination) load, on same length line, that made the 1/4 wave transformation at 14 Mhz, a SWR of 1:1. That resistance is listed in the 4th column below, and goes into the Q-section transformation equation which gives line Z, in 5th column below.

Since the loss on a 12 foot line is very low, I ran the freq up on the MFJ to 28 Mhz X 6, to get an idea of line loss. The last column is calculated loss for 100 feet of same cable @ 168 Mhz.

To get a handle on loss at a usable HF frequency, I measured the loss on ~75 feet of solid RS 278-1509 (10A99) at ~28 Mhz as 4 dB.

Hope this is useful data & great find Wayne. :)

TYPE line	1/2 wv @ 28 MHz	VF %	1/4 wv Ohms	Line Z Ohms	Loss 168 Mhz dB	100 ft 168 Mhz dB
						----- (calc)
TV Twin Lead	170.9"	81.1	1710	292	*0.2	*1.5
Channel Mstr. 9354	14.2'					
RG59/U	145.0" 12.1'	68.8	117	76	0.5	4.1
RS 278-1509 (05A9)	151.5" 12.6'	71.9	630	177	2.5	19.8
"Solid"						
RS 278-1509 (10A99)	149.0" 12.4'	70.7	546	165	2.0	16.1
"Solid"						

RS 278-1385(02A9) | 148.5" 70.5 481 155 1.5 12.1
"Stranded" | 12.4'

note: *, estimated from ARRL graph
: Line Z = $\text{SQRT}(50 * \text{load_resistance})$, for a 1:1 SWR on loaded Q-section
: MFJ 259B 50 ohms output, Tek 492 50 ohm input.

--
 |\
 /| \
 / |K2\
 / |21 \
_ /__|____\
 \====*====-/]
~~~~~

Bob 72/73  
email, w4ed@amsat.org  
<http://www.qsl.net/w4ed>  
near Atlanta, GA EM73wt

-----  
Date: Sat, 11 Dec 1999 14:51:47 -0800 (PST)  
From: Jim Hale <kj5tf@yahoo.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [57799] mW WAS .9 watts - QSL cards in view now  
Message-ID: <19991211225147.13169.qmail@web703.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Sorry for the snafu the other day. I guess I'm an amateur in all things. Master of nill, Hi !

Lets hope I have the HTML fixed now. Also my webpage is now on my local ISP.

My new URL is listed below in the signature.

It took a little less than a year to do but I've worked em all, and WASTotalPower (WASTP) is 934mW.

The final event is the arrival of the last QSL card. For fun I made a new webpage and have digital pics of all 50 QSL cards. Many of them are really COOL!

Be sure to see the QSL from MS, nice motorcycle!

I will add the lowest power of contact on each state tomorrow and put that up. Along with band, dates, etc.

On the index or 1st page, click the "links" button, then click the QSL Cards mW WAS link.

Steve at ARCI awards says my WAS Certificate is in the mail! YiPPiE!

<http://www.madisoncounty.net/~kj5tf/>

72/71's de Jim KJ5TF

=====

Ham radio/alt energy - <http://www.madisoncounty.net/~kj5tf/>  
Milliwatting Editor ARCI QRP Quarterly  
AR QRP#2 - Kingston, Arkansas - 35.94N 93.47W

-----  
Do You Yahoo!?

Thousands of Stores. Millions of Products. All in one place.  
Yahoo! Shopping: <http://shopping.yahoo.com>

-----  
Date: Sat, 11 Dec 1999 18:16:26 -0500  
From: Charles Greene <[cgreene@loa.com](mailto:cgreene@loa.com)>  
To: [grp-1@Lehigh.EDU](mailto:grp-1@Lehigh.EDU)  
Subject: [57800] Antenna Tree Supports  
Message-ID: <4.2.2.19991211181157.00a992c0@mail.loa.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi all,

I need some advise from some of you guys who are using  
a tree for an antenna support. The wind is pretty high here,  
and for the second time in two months, my W3EDP antenna  
broke at the tree. How can I keep it up?

Also, my vertical bent over 20 degrees from the vertical today,  
so I will have to rotate it 180 deg. so the NW wind will  
straighten it out again.

-----  
Try PSK31. Check: <http://aintel.bi.ehu.es/psk31.html>  
and May 99 QST. K2 S/N 462.

Chas, W1CG

Rhode Island TCPIP Address Coordinator  
[w1cg@arrl.net](mailto:w1cg@arrl.net)  
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Date: Sat, 11 Dec 1999 18:44:04 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [57801] Re: PROP: Conditions & 10M Contest  
Message-ID: <199912112324.SAA10611@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

> ARRL 10M CONTEST: Right now (about 11am MST), 10M is hopping pretty  
> good with CW signals from the contest. Lots of activity, so hop on and

Worked 14 states including Hawaii this afternoon, running SSB wid  
the old FT301SD, 10 W pep to 5/8 vert (A99)

72,  
Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

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Date: Sat, 11 Dec 1999 18:25:59 EST  
From: K2UD@aol.com  
To: qrp-l@lehigh.edu  
Subject: [57802] 6, 6.2V Low Voltage Dropout Regulators  
Message-ID: <0.2b5e9149.25843787@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Does anyone have information on such a device in a T0-92 package? I wish to  
replace the 8V regulator in an SST so I can run the rig with a 9V battery.  
Who has done this already?

TNX for any help.

72

Howard Kraus, K2UD

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Date: Sat, 11 Dec 1999 17:33:21 -0600  
From: "Kelly Ellison" <kelman@dialnet.net>  
To: <qrp-1@lehigh.edu>  
Subject: [57803] FS: discounted QRP+  
Message-ID: <199912112332.RAA06727@dialnet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hello all,

Here's the deal... I had this QRP+ for sale a while back and sold it. Shipped it off and when the QRP-L member got it, it had a problem. Apparently, while in transit... it was jolted.. causing this problem. Anyway, I have refunded the money and got the radio back. The Radio receives and transmits... but does not change frequency when changing the main tuning knob.

apparently the tuning was enabled momentarily while pushing on the circuit board with an insulated probe. But I have been unable to duplicate this. So... instead of sending the radio into Stan, I thought I would see if somebody wanted to buy it from me at a discounted rate and fix it themselves. I am sure it is a bad connection or solder joint, but I do not have the time to mess with it. I will knock \$100.00 dollars off the low price I had it set to before, and offer it for \$225.00. I may have the manual, but not sure... and power cord. No mic with this deal. The radio looks good and is in good shape except for this problem. It does need a new memory backup battery also.

I'd like some help with shipping. Any interest before I send it off to Stan the QRP+ repair guy? (It is a QRP++).

Thank you,

Kelly Ellison - WB0WQS QRP-L #702

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Date: Sat, 11 Dec 1999 18:33:50 -0500  
From: "J. Ervin Bates" <w8erv@email.msn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>



Subject: [57804] Little Softshoe....Extra Theory History!  
Message-ID: <004f01bf4430\$2e6122a0\$bf451b3f@win98>

Ok, it's getting closer.....went to take the Extra and 20 today. Walked out with a near-perfect Theory, but got bombed on the code. No harm done, since I had studied the theory all week, generally ignoring the code.

One more chance for the last 99 Happy Dance. Heading to Mt. Clemens next Saturday for the 20.....so y'all think about me, will ya? Send the QSO angels to help. ;-)

72,  
Erv W8ERV  
"Newly minted Advanced, but still not satisfied!"

HamFair2000 is coming...ask me about it!  
"Dare to Dream-It Sets Your Spirit Free!"

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End of QRP-L Digest 1666  
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